STEREOCOMPARATOR FINAL SITE INSTALLATION REPORT FOR THE MONTH OF JULY, 1971

STATINTL

During July, the installation work at the final job site reached the point where no significant work could continue until the environmental airconditioning system could be brought up to specification. There are a total of five systems that require conditioned air:

- 1. The general room.
- 2. The stage jets.
- 3. The electronic cabinets.
- 4. The optical system.
- 5. The film cooling.

None of these systems were operational at the beginning of July.

During the month the walls and ceiling of the clean room were closed in by the room contractor, and various elements of the airconditioning system were operated.

During this airconditioning startup period, problems were encountered which delayed the conditioned air systems performing to their specified STATINTL levels. This, in turn, prevented from completing the final adjustment for some of the Stereocomparator subsystems.

While the airconditioning systems were being adjusted, there were periods of high humidity which apparently have caused some external and internal corrosion to the Stereocomparator. The possible extent of the internal damage to the Stereocomparator has not yet been assessed, since some of the potentially affected systems can only be operated after the airconditioning equipment is up to specification. At this time it is known, however, that there are problems with the electronic logic packages.

-1-

Declass Review by NIMA/DOD

The effects of the corrosion that are apparent on the exterior surfaces of the Stereocomparator stage and laser measuring equipment are not necessarily related to degrading the performance of the equipment. The concern is that there may be internal corrosion to the optical systems or interferometers. This can only be determined during operational tests.

By July 30 the airconditioning systems had stabilized to the point that:

- The general room was operating over a range of 70° to 72° F, at about 60% relative humidity.
- 2. The stage jets were varying between 66° and 73° F (between) left and right sides).
- 3. The electronic cabinets were varying from 74° to 80° F, with relative humidity reaching 70%.
- 4. No information is available on the optical system at this time.
- 5. No information is available on the film cooling at this time.

The maintenance portion of the diagnostic computer program is being used successfully to locate problems in the electronic logic.

Although the installation work for the Stereocomparator during July was hampered by a variety of problems of which some examples have been given above, it is anticipated that August will be a much more productive period since the airconditioning problems appear now to be coming under control.

STATINTL

-2-

Approved For Release 2002/08/28 : CIA-RDP78B04747A000200030008-9

3,1	6 A	ıgust	1971		Tg.			Į.						• .
	υ.	s. G	overnn	nent										
	- 1	ntlem							•	- ,	·	•		STATINT
	In at Thi spe	reference in the interest of t	ence to nstalla andby cations y area Ve woo	tion si time is time is possib possib instal	oove co te duri causeo lis atto le, and	d by the mpting we are any estite so	ne ro g to re m effor	oom e work nost e t you	of July environ and enxion	26 thr nment progres	not mee ss with omplete	al stand ly 30, 1 ting the the inst our wor edite the ull effor	requiallati	ired on he
		ļ	t time						s as	follows	1			STATINT
			July 2 July 2 July 2 July 2	7 8 9	ν.,	: • :	24 24 35	hrs. hrs. hrs. hrs.						
	•			time i	nvolved em day	-	127	hrs.						STATINT
			And the second s									· · · · · · · · · · · · · · · · · · ·		

U. 6 Au Pag	S. Governmengust 1971	ent	E 2002, 00 (20	. CIA-RI	JF / 000/4	400020	0030006-9	•
								STATINTI
					ano aval	lahle to	provide a	y STATINTI
	manage ther informatery truly you	ment and tection you migh	ht require.	somiei				3 STATINIT
	sily daily you	·····	.	· . !				STATINTI
							19. 19.	
	29 A	pri l	throv.	e K	」 3 0~	3 U	1 19	71
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 		7.,			<u>* 1034 (1980)</u> 80 5	STATINTI
				N. S.	7 7 7 7 1 1 1 1			

			- D-1 2000	(00/00 - OIA DD			1	, ili.
		Approved F	or Release 2002	706/26 : CIA-RD	P78B04747 A 00	020003000	ra'e'id.	71
STATINTL							STATIN	
			wal	Retal	lneg	ou ua	nted	
en.	re the	mapin	low inator	en the	replace	t of Hu leathon	niditu ic rock	
				1	the second second second	A CONTRACTOR	and the second second	
sat	ر نگ ف	we con	seder.	thal etine	55 /o 4	i ditt	te the	Q ,
am	Qui	End.	temp	erati	ice s	houl	Lelvater	-
min	alh	when the	relative in the second	170 F	£ 60%	RH'	s the	
high	فهر	1 1 1 g	and"	ralie	e fo	2 le	A Total	
- Jak	ve	Will Who	ty of	alon t	Cat	65% i	a xug	بد
"luo	d	"val	s sul	4 the	part	olma	neld	for
the.		P. JO	s sul	ella.	e light	Llyds	relialit	9,71°
and		alle	man	we.	The	relio	tilist	Ty.
is ve	$\mathcal{N}_{\mathcal{L}}$	read s	07 lb.	KRH.	and a	grail	aspecie	ىلىك)
	"	There	Lare	son	ne fr	guje	s that	}
y ha	200	courty Staropa	ompai	er Le	aight (rofre	mana to Dt	Q
the	Se	emple	and	Lhol	l'ail	auits	for	-0
Relat	of	Lics of	ditus	2 . C	602 t	ample 65%	e, m	tha
Samy		e & he	PL Zo	pacit	tous e	osa le	as to	<u>~</u>
10 mi		they be	s in the	tioth	nouto	100 Am	2 TE	۸,٬
'w fe	37	own	5,0 /0	Ello	git le	mel.	0.D	~
-See a-		$\sim 1/30$	HX NC	the c	inte	UBU I	rolla	ge
204	0	00 mi	Ilino	Es.	One	- Mys	tem	·]
						THUM INVESTOR	W.X. (CC.C) WEDSHAN	(SALDER)
		Essa						
		Approved F	or Release 2002	/08/28 : CIA-RD	P78B04747A00	0200030008-9		
1 1			1	. 1	11.15		1.1	

STATINTL